

CONSTRUCTION PLANS FOR GALESBURG MUNICIPAL AIRPORT

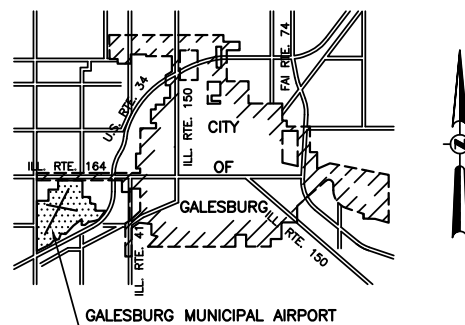
GALESBURG, KNOX COUNTY, ILLINOIS

REHABILITATE T-HANGAR ACCESS PAVEMENT

SUMMARY OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	AS BID QUANTITY	AS BUILT QUANTITY
AR150530	TRAFFIC MAINTENANCE	L. SUM	1	
AR209510	CRUSHED AGGREGATE BASE COURSE	TON	71	
AR209650	AGGREGATE BASE PREPARATION	SQ. YD.	1,771	
AR209655	AGGREGATE BASE REMOVAL	SQ. YD.	177	
AR401613	BIT. SURF. CSE.-METHOD I, SUPERPAVE	TON	460	
AR401650	BITUMINOUS PAVEMENT MILLING	SQ. YD.	2,289	
AR401910	REMOVE & REPLACE BIT. PAVEMENT	SQ. YD.	30	
AR501910	REMOVE & REPLACE PCC PAVEMENT	SQ. YD.	3	
AR602510	BITUMINOUS PRIME COAT	GAL.	620	
AR603510	BITUMINOUS TACK COAT	GAL.	105	
AR701512	12" RCP, CLASS IV	LIN. FT.	52	
AR751411	INLET-TYPE A	EACH	1	
AR754900	REMOVE CONCRETE CURB	LIN. FT.	50	
AR901510	SEEDING	ACRE	0.1	

ILLINOIS PROJECT NO. GBG-4345
SBG PROJECT NO. 3-17-SBGP-111

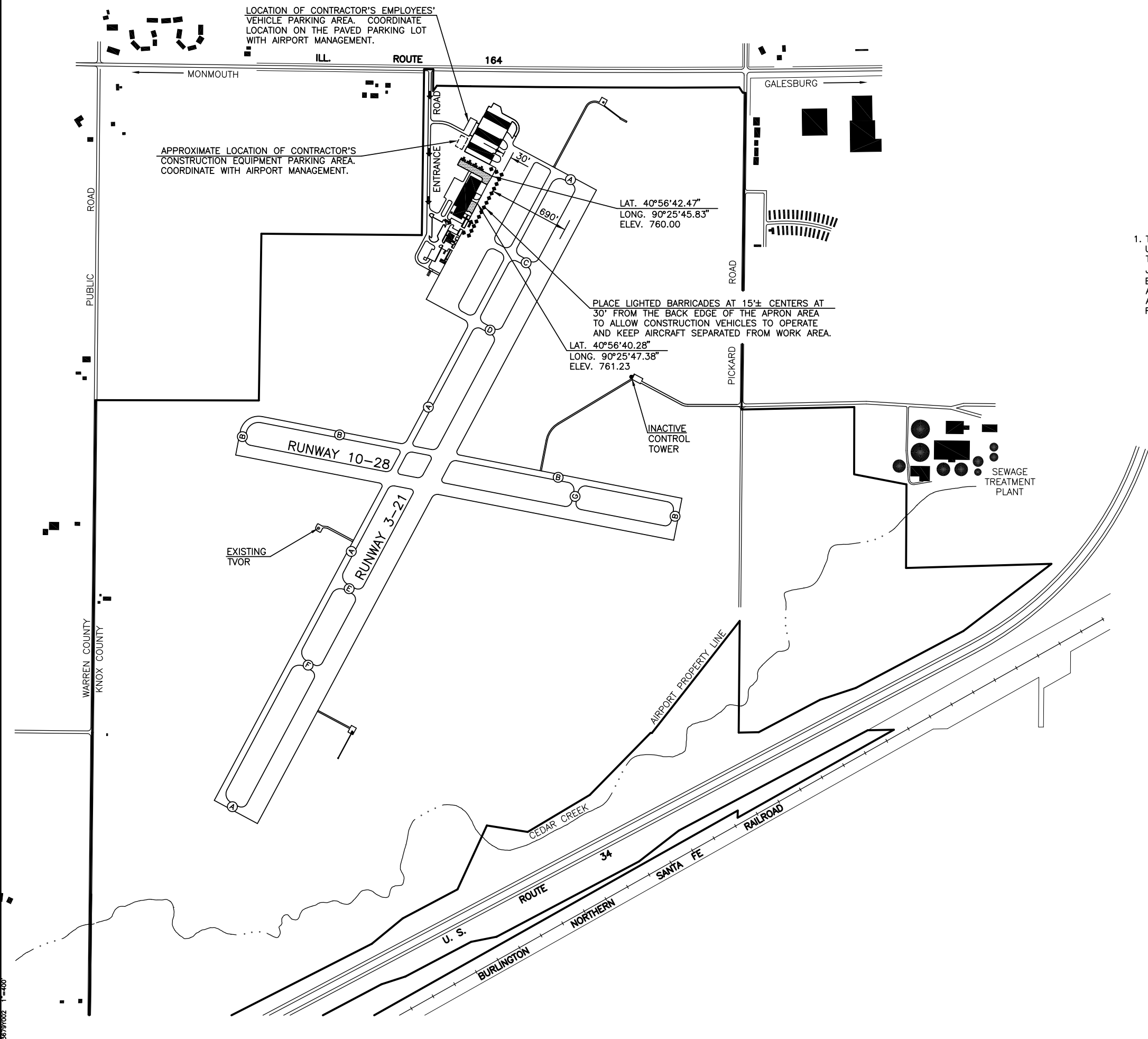
APRIL 17, 2015




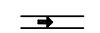

VICINITY MAP

INDEX OF SHEETS	
NO.	DESCRIPTION
1	COVER SHEET
2	IMPROVEMENT AND SAFETY PLAN
3	TYPICAL SECTIONS FOR T-HANGAR ACCESS PAVEMENT
4	TYPICAL SECTION AND SPECIAL DETAILS
5	PLAN LAYOUT AND PAVEMENT ELEVATIONS
6	STANDARD DRAWINGS

	PLANS PREPARED BY :	CITY OF GALESBURG, ILLINOIS APPROVED <i>Wesley Elwell</i> PUBLIC WORKS DIRECTOR DATE <i>4/13/2015</i> APPROVED <i>Steve Co.</i> AIRPORT MANAGER DATE <i>04-13-2015</i>
	HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS SUBMITTED <i>Gary L. Hutchison</i> DATE <i>April 8, 2015</i>	



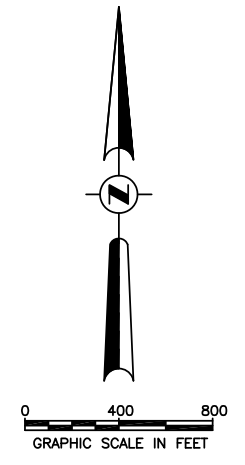
LEGEND

-  PROJECT WORK LOCATION
-  CONTRACTOR'S ACCESS/HAUL ROUTE
-  LOCATION OF LIGHTED BARRICADES (USING FLASHING RED LIGHTS)

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS. PRIOR TO STARTING WORK, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS) PHONE 1-800-892-0123 OR 811 TO ARRANGE FOR LOCATION OF UTILITIES IN THE WORK AREA. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK.

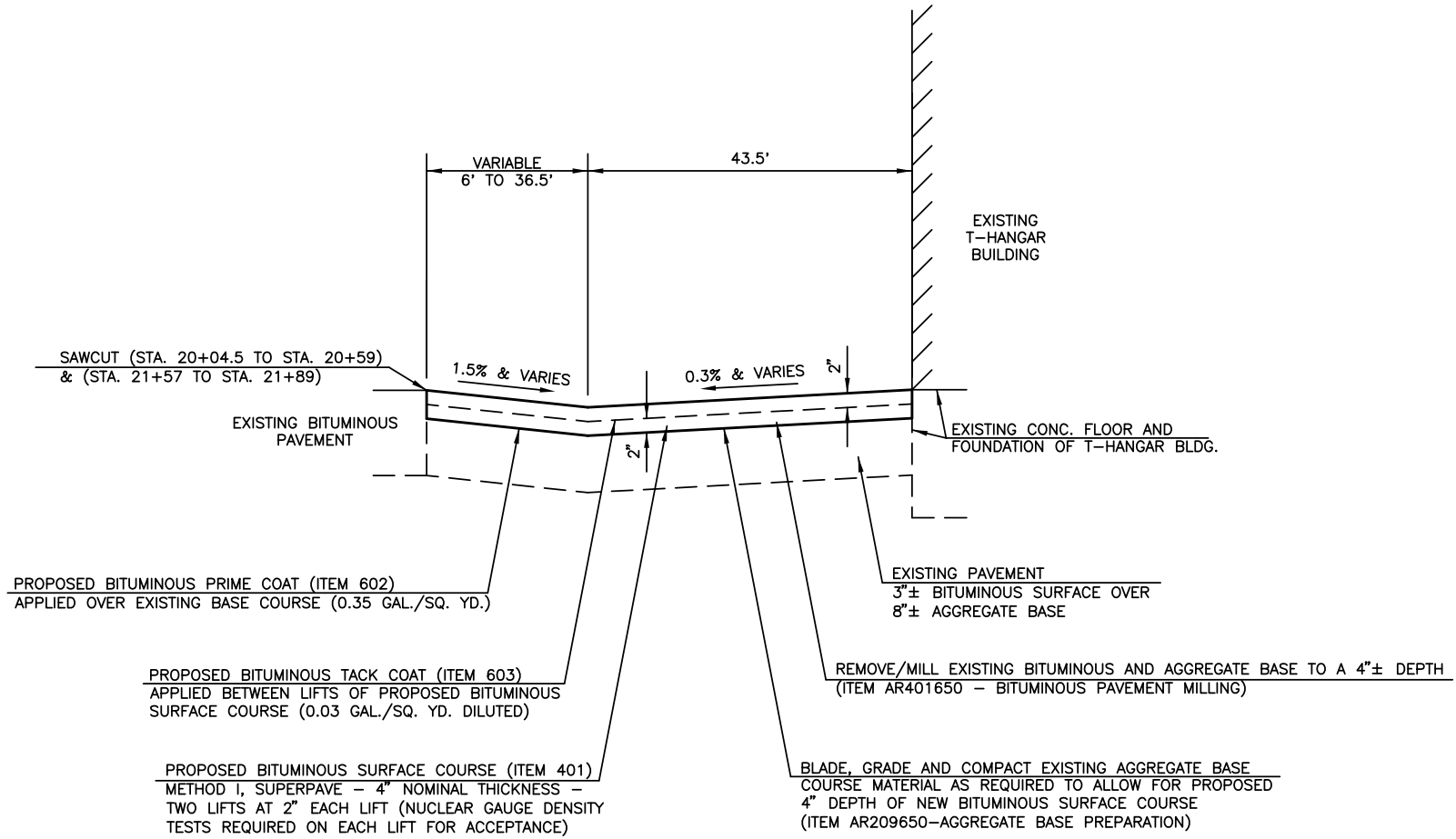
COUNTY - KNOX
 CITY - GALESBURG
 TOWNSHIP - T. 11 N., R. 1 E. 4th P.M.
 SECTION NO. - 18 & 19



CONSTRUCTION PROCEDURE NOTES

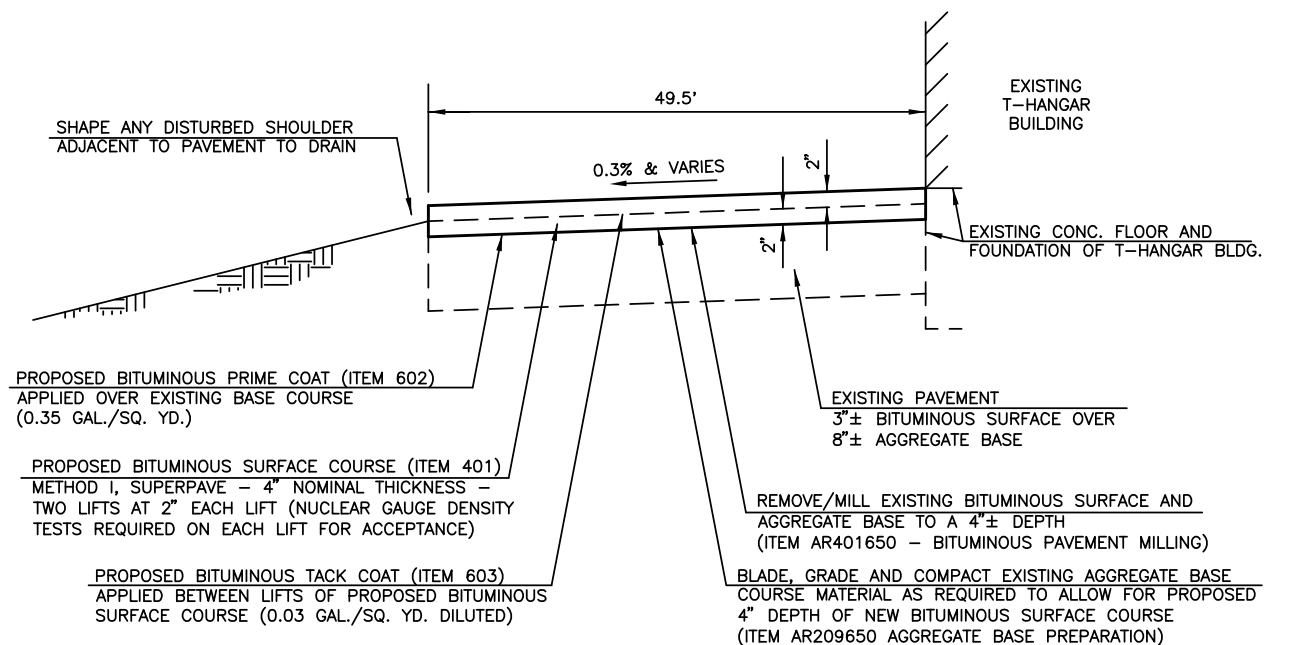
1. ALL CONTRACTOR EMPLOYEES WILL PARK THEIR PERSONAL VEHICLES IN THE AREA DESIGNATED BY THE AIRPORT MANAGER FOR USE AS A VEHICLE PARKING AREA. THE CONTRACTOR WILL BE RESPONSIBLE FOR TRANSPORTING EMPLOYEES TO THE PROPOSED CONSTRUCTION SITE. ONLY AUTHORIZED CONTRACTOR VEHICLES WILL BE ALLOWED ON THE AIR OPERATIONS AREA OF THE AIRPORT AND ON THE CONSTRUCTION SITE.
2. FLAGS WILL BE REQUIRED ON ALL CONTRACTOR'S VEHICLES AND EQUIPMENT USED ON THE AIRPORT OPERATIONS AREA AND CONSTRUCTION SITE. THE FLAGS SHALL BE THREE (3) FOOT SQUARE CHECKERED FLAGS (INTERNATIONAL ORANGE AND WHITE) DISPLAYED IN FULL VIEW ABOVE THE VEHICLE.
3. THE CONTRACTOR WILL USE THE DESIGNATED HAUL ROUTE AND CONSTRUCTION EQUIPMENT PARKING AREA SHOWN ON THIS SHEET. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE DESIGNATED HAUL ROUTE AND EQUIPMENT PARKING AREA FOR THE DURATION OF THE PROJECT. ANY DAMAGE TO EXISTING PAVEMENTS USED TO HAUL MATERIAL TO THE CONSTRUCTION SITE WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
4. THE CONTRACTOR SHALL FURNISH, MAINTAIN, AND REMOVE ALL BARRICADES REQUIRED TO DELINEATE THE WORK AREA AND KEEP AIRCRAFT FROM ENCROACHING INTO SAID WORK AREA. THIS REQUIREMENT SHALL BE PAID FOR UNDER ITEM AR150530 TRAFFIC MAINTENANCE.
5. CONSTRUCTION ACTIVITY CONTROL AND OPERATION AREA PROTECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA ADVISORY CIRCULAR NO. 150/5370-2F.
6. THE MAXIMUM CONSTRUCTION EQUIPMENT HEIGHT UTILIZED ON THE AIRPORT FOR THIS PROJECT SHALL BE 30'. THE 30' HEIGHT APPLIES TO TRUCK BEDS THAT ARE RAISED TO UNLOAD MATERIALS IN THE WORK LOCATIONS DURING PAVING OPERATIONS.
7. THIS PROJECT CONSISTS OF WORK TO REHABILITATE T-HANGAR ACCESS PAVEMENT AND CONSTRUCT DRAINAGE IMPROVEMENT.
8. THIS PROJECT WILL DISTURB LESS THAN 1 ACRE OF LAND.

GALESBURG MUNICIPAL AIRPORT GALESBURG, ILLINOIS	
IMPROVEMENT AND SAFETY PLAN	
HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
DRAWN BY: R.L.R. DATE: APRIL, 2015	ILL. PROJ. NO. GBG-4345 SBG PROJ. NO. 3-17-SBGP-111



T-HANGAR ACCESS PAVEMENT TYPICAL SECTION

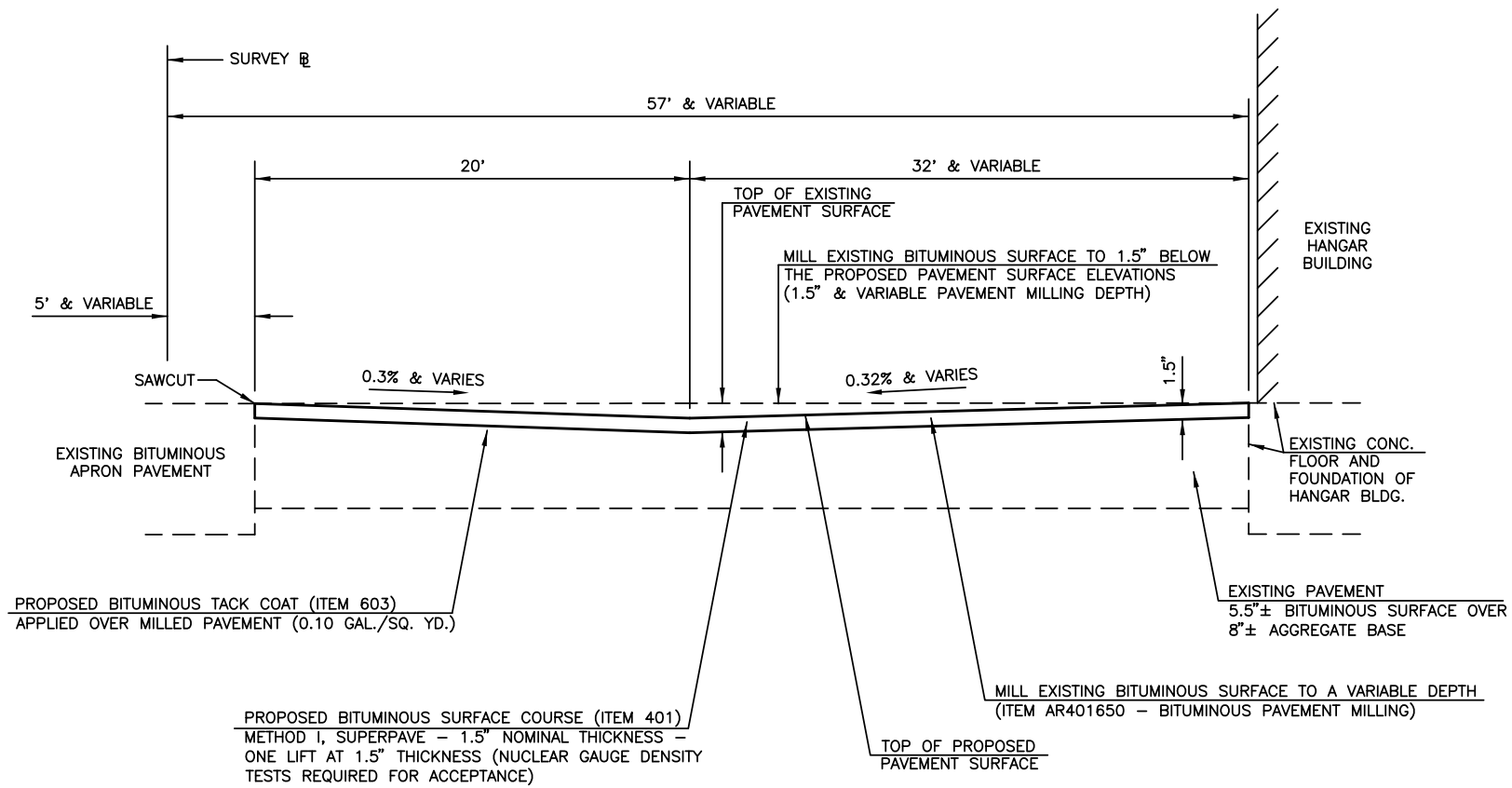
STA. 20+04.5 TO STA. 21+75 (R B)
NOT TO SCALE



T-HANGAR ACCESS PAVEMENT TYPICAL SECTION

STA. 21+75 TO STA. 22+90.5 (R B)
NOT TO SCALE

GALESBURG MUNICIPAL AIRPORT GALESBURG, ILLINOIS	
TYPICAL SECTIONS FOR T-HANGAR ACCESS PAVEMENT	
HUTCHISON ENGINEERING, INC. JACKSONVILLE, ILLINOIS	
DRAWN BY: R.L.R. DATE: APRIL, 2015	ILL. PROJ. NO. CTK-4345 SBG PROJ. NO. 3-17-SBGP-111



PROPOSED BITUMINOUS TACK COAT (ITEM 603)
APPLIED OVER MILLED PAVEMENT (0.10 GAL./SQ. YD.)

PROPOSED BITUMINOUS SURFACE COURSE (ITEM 401)
METHOD 1, SUPERPAVE - 1.5" NOMINAL THICKNESS -
ONE LIFT AT 1.5" THICKNESS (NUCLEAR GAUGE DENSITY
TESTS REQUIRED FOR ACCEPTANCE)

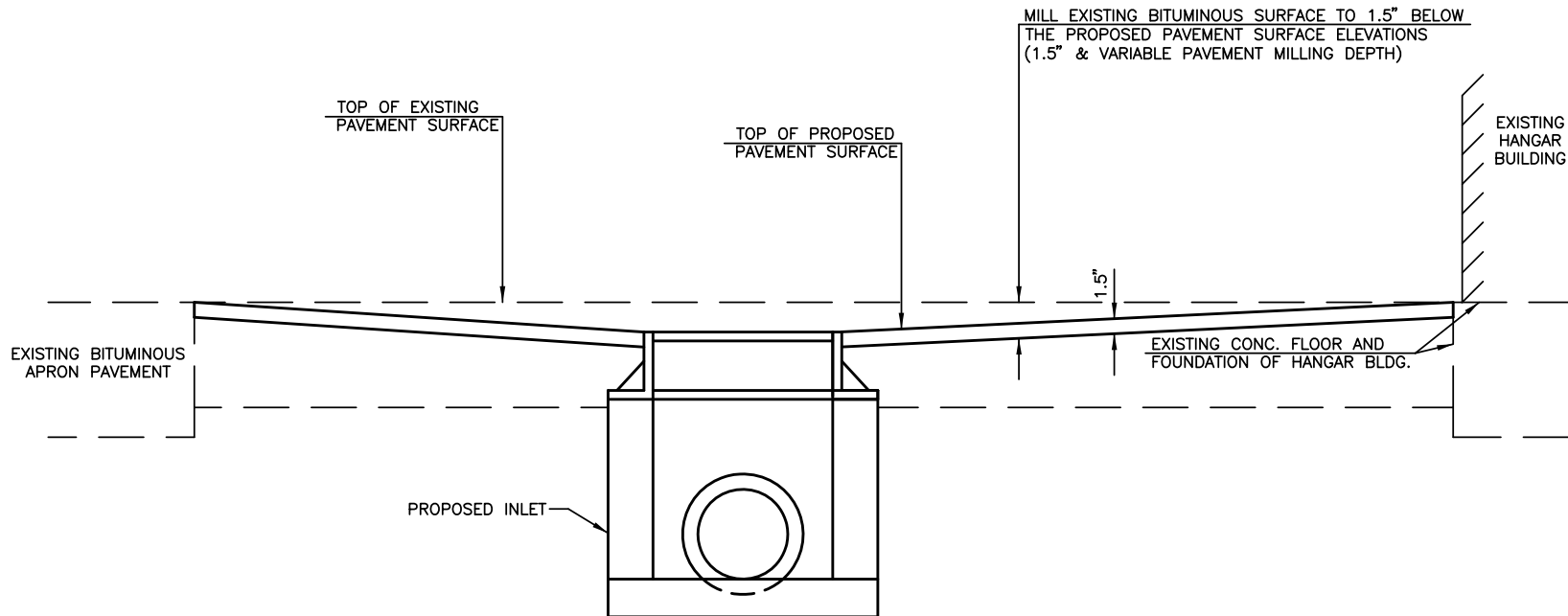
MILL EXISTING BITUMINOUS SURFACE TO 1.5" BELOW
THE PROPOSED PAVEMENT SURFACE ELEVATIONS
(1.5" & VARIABLE PAVEMENT MILLING DEPTH)

MILL EXISTING BITUMINOUS SURFACE TO A VARIABLE DEPTH
(ITEM AR401650 - BITUMINOUS PAVEMENT MILLING)

EXISTING PAVEMENT
5.5" ± BITUMINOUS SURFACE OVER
8" ± AGGREGATE BASE

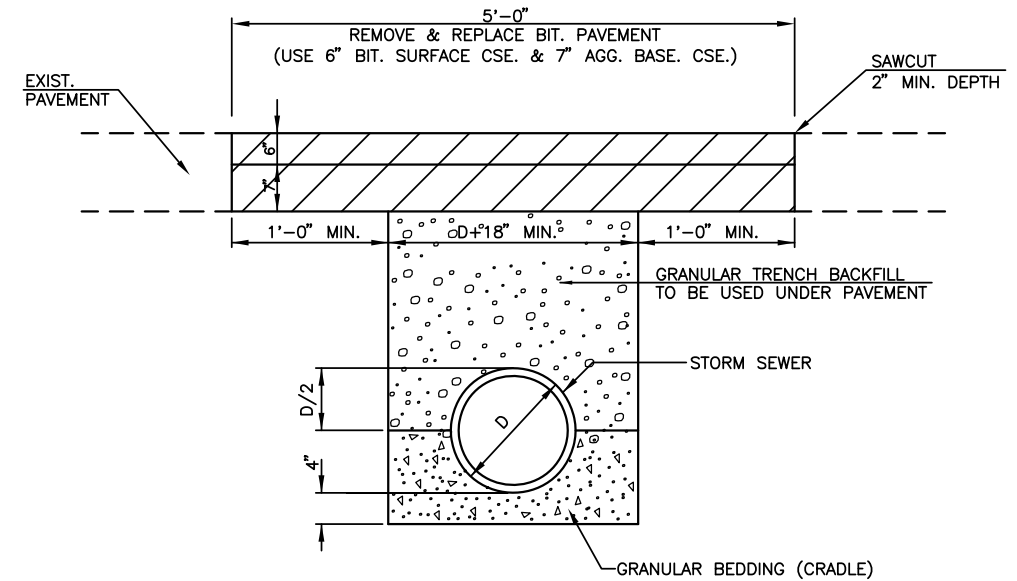
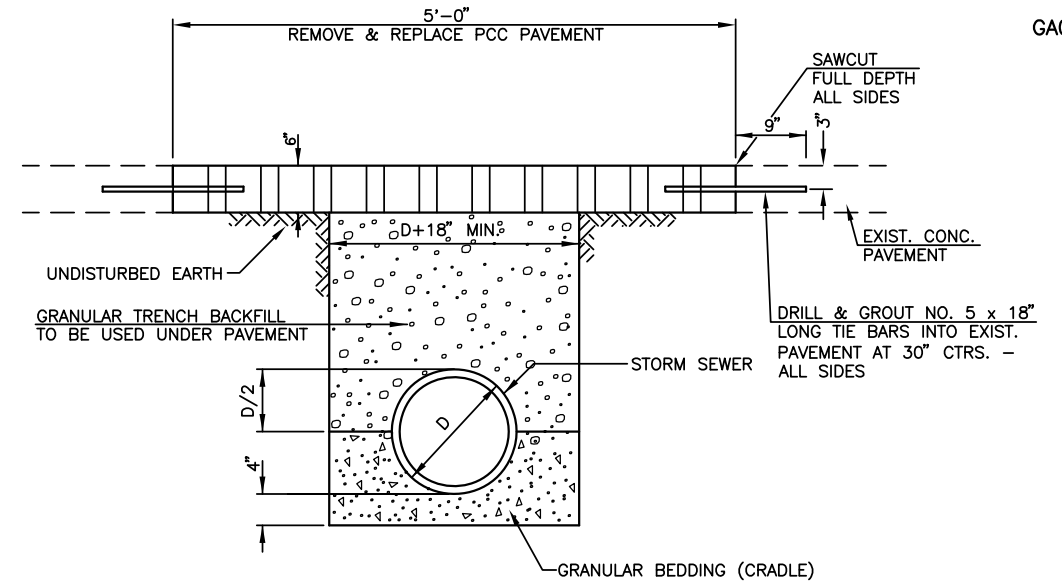
HANGAR ACCESS PAVEMENT TYPICAL SECTION

RT. STA. 15+50 TO STA. 16+41.5 (@ A)
NOT TO SCALE



**DETAIL OF PAVEMENT MILLING AND RESURFACING
TO MEET TOP OF PROPOSED INLET FRAME AND LID**

NOT TO SCALE



TYPICAL STORM SEWER TRENCH DETAILS

NOT TO SCALE

GA010

GALESBURG MUNICIPAL AIRPORT
GALESBURG, ILLINOIS

TYPICAL SECTION AND
SPECIAL DETAILS

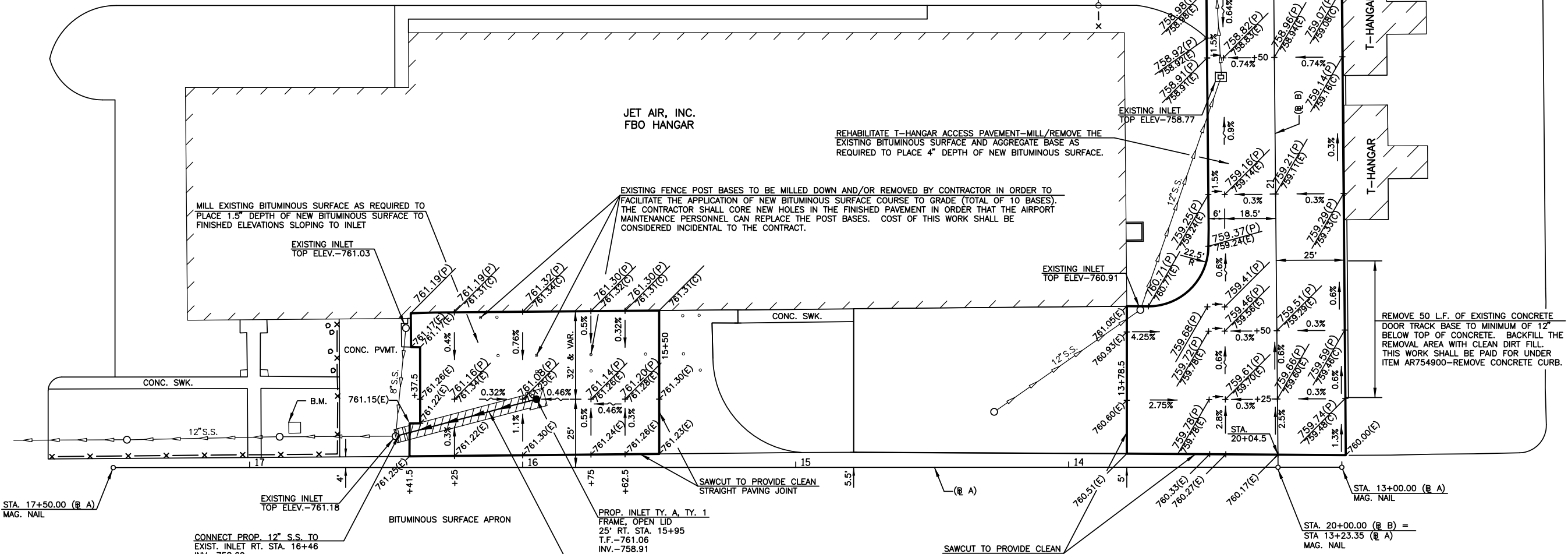
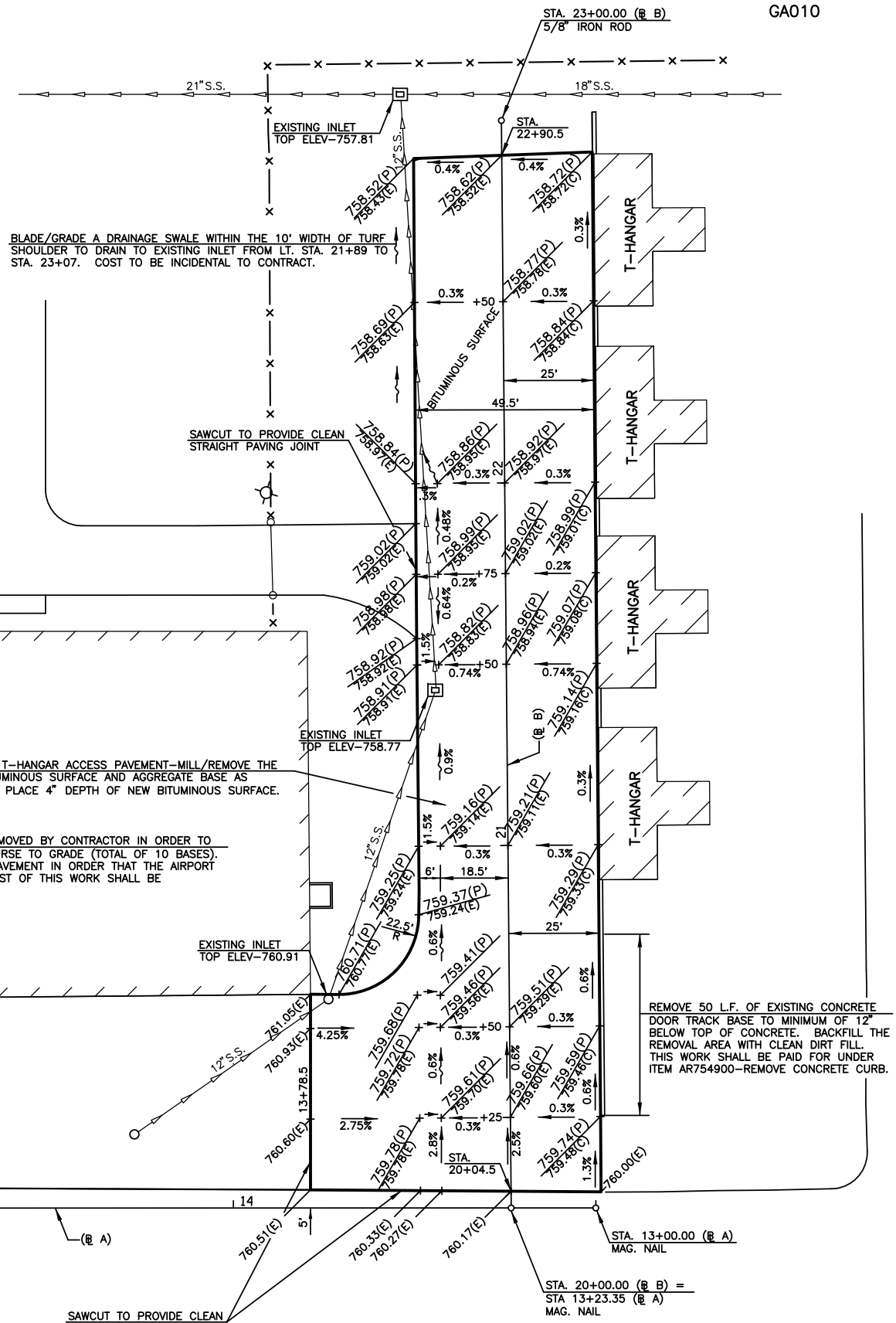
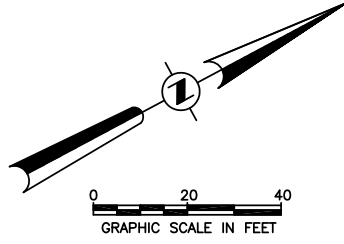
HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS

DRAWN BY: R.L.R.
DATE: APRIL, 2015

ILL. PROJ. NO. GBC-4345
SBG PROJ. NO. 3-17-SBG-111

GENERAL NOTES

- ELEVATIONS SHOWN FOLLOWED BY (P) ARE TOP OF FINISHED PAVEMENT SURFACE ELEVATIONS. (E) SHOWN AFTER AN ELEVATION DENOTES AN EXISTING ELEVATION. (C) SHOWN AFTER AN ELEVATION DENOTES A TOP OF CONCRETE SURFACE ELEVATION.
- WHERE PROPOSED BITUMINOUS SURFACE ABUTS EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE CUT TO PRODUCE A STRAIGHT VERTICAL FACE TO ABUT THE PROPOSED SURFACE TO. PRIOR TO SURFACING, THE VERTICAL FACES OF ALL ABUTTING EXISTING PAVEMENT SHALL BE PAINTED WITH LIQUID ASPHALT. COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE EXISTING BITUMINOUS SURFACE AND EXISTING AGGREGATE BASE OF THE T-HANGAR ACCESS PAVEMENT TO BE REHABILITATED UNDER THIS PROJECT SHALL BE MILLED TO A DEPTH OF 4 INCHES BELOW THE PROPOSED FINISHED PAVEMENT SURFACE ELEVATIONS TO ALLOW A MINIMUM OF 4 INCHES OF NEW BITUMINOUS SURFACE MATERIAL TO BE PLACED TO THE FINISHED PAVEMENT SURFACE ELEVATIONS SHOWN. THE MILLED BITUMINOUS SURFACE MATERIAL SHALL BE DEPOSITED AT A LOCATION ON THE AIRPORT THAT IS DESIGNATED BY THE AIRPORT MANAGEMENT FOR USE BY THE AIRPORT/CITY. REMOVED SUITABLE AGGREGATE BASE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR ON THE AIRPORT SITE IN THE SAME MANNER. THE COST OF THE MILLING, REMOVAL, HAULING AND DEPOSIT OF THE EXISTING BITUMINOUS SURFACE AND/OR AGGREGATE BASE SHALL BE INCLUDED IN THE COST OF THE BITUMINOUS PAVEMENT MILLING.
- AFTER PERFORMING THE BITUMINOUS PAVEMENT MILLING, THE EXPOSED AGGREGATE BASE SHALL BE BLADED, SHAPED AND ROLLED/COMPACTED AS REQUIRED TO PROVIDE FOR THE APPLICATION OF A 4" THICKNESS OF PROPOSED BITUMINOUS SURFACE. THIS WORK WILL BE PAID FOR AT THE UNIT BID PRICE FOR AGGREGATE BASE PREPARATION.
- IN LOCATIONS WHERE UNSTABLE EXISTING AGGREGATE BASE COURSE IS ENCOUNTERED REQUIRING REPAIR OF THE BASE, THE AREAS DESIGNATED BY THE RESIDENT ENGINEER SHALL BE EXCAVATED AND THE REMOVED MATERIAL DISPOSED OF. THE AREAS SHALL BE REPLACED WITH A SEVEN (7) INCH DEPTH OF NEW AGGREGATE BASE MATERIAL MEETING THE REQUIREMENTS OF ITEM 209. THE COST OF REMOVAL AND DISPOSAL OF THE EXISTING UNSTABLE BASE SHALL BE PAID FOR AT THE UNIT PRICE BID FOR AGGREGATE BASE REMOVAL. FURNISHING, PLACING AND COMPACTING NEW BASE MATERIAL SHALL BE PAID FOR AT THE UNIT PRICE BID FOR CRUSHED AGGREGATE BASE COURSE.
- THE CONTRACTOR SHALL EXERCISE CAUTION DURING OPERATIONS SO AS NOT TO DAMAGE THE EXISTING HANGAR BUILDINGS. ANY DAMAGE TO THE BUILDINGS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER AND THE AIRPORT MANAGEMENT.
- THE QUANTITIES FOR CRUSHED AGGREGATE BASE COURSE AND AGGREGATE BASE REMOVAL THAT ARE INCLUDED IN THESE CONSTRUCTION PLANS ARE ESTIMATED IN ORDER TO ESTABLISH A WORK ITEM BID PRICE. THE QUANTITIES WILL BE ADJUSTED BY THE RESIDENT ENGINEER DURING CONSTRUCTION BASED UPON FIELD INSPECTION AND IDENTIFICATION OF LOCATIONS REQUIRING REPAIR OF THE EXISTING AGGREGATE BASE. THE RIGHT IS RESERVED TO INCREASE, DECREASE OR ELIMINATE THE QUANTITIES FOR CRUSHED AGGREGATE BASE COURSE AND AGGREGATE BASE REMOVAL WITH NO UNIT PRICE ADJUSTMENT FOR THE ALTERED CONTRACT ITEMS BEING ALLOWED.
- IT IS ESTIMATED THAT A 10' WIDTH OF TURF AREA ADJACENT TO THE FINISHED PAVEMENT EDGES MAY BE DISTURBED DURING CONSTRUCTION. THESE AREAS SHALL BE LIMED, FERTILIZED AND SEEDED AND SHALL CONSTITUTE THE SEEDING AREA DESIGNATED FOR PAYMENT. A QUANTITY OF 0.1 AC. CONSTITUTES THE AREA FOR PAYMENT.
- ALL OTHER AREAS DISTURBED BY THE CONTRACTOR INCLUDING THE CONTRACTOR'S EQUIPMENT PARKING AREA SHALL BE REGRADED AND RESEDED AND/OR RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR AT HIS OWN EXPENSE UPON COMPLETION OF IMPROVEMENTS.



LEGEND

- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PRB 29 REMOVE AND REPLACE BITUMINOUS PAVEMENT, 29 SQ. YDS.
- PRC 3 REMOVE AND REPLACE P.C. CONCRETE PAVEMENT, 3 SQ. YDS.

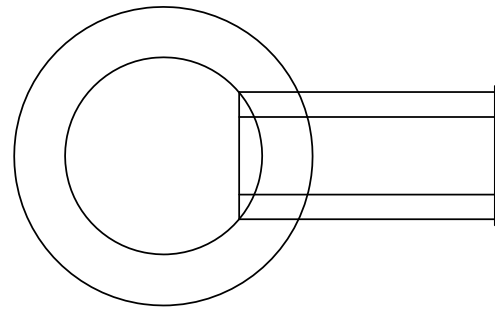
B.M.- TOP OF S.W. ANCHOR BOLT OF THE CESSNA SIGN AT JET AIR HANGAR ELEV. 762.09

GALESBURG MUNICIPAL AIRPORT
GALESBURG, ILLINOIS

PLAN LAYOUT AND PAVEMENT ELEVATIONS

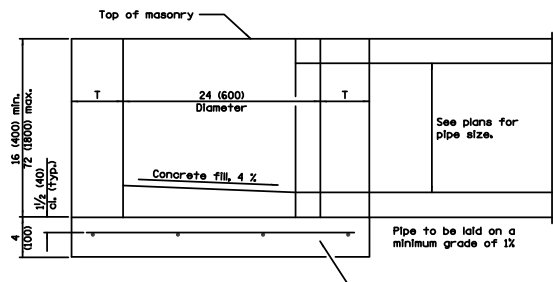
HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS

DRAWN BY: R.L.R. ILL. PROJ. NO. G8G-4345
DATE: APRIL, 2015 SBG PROJ. NO. 3-17-SBG-111

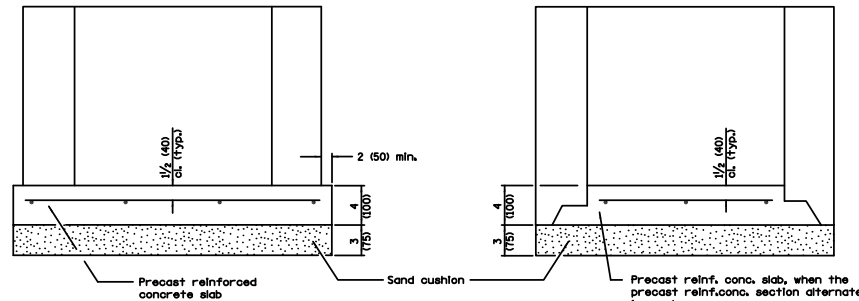


PLAN

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ELEVATION

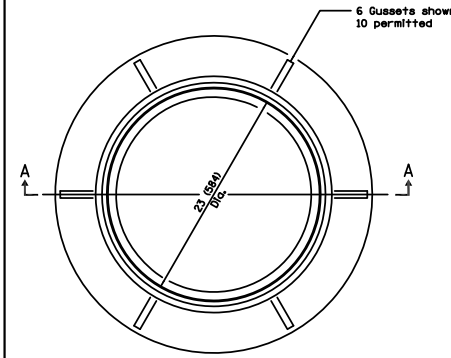


ALTERNATE METHODS

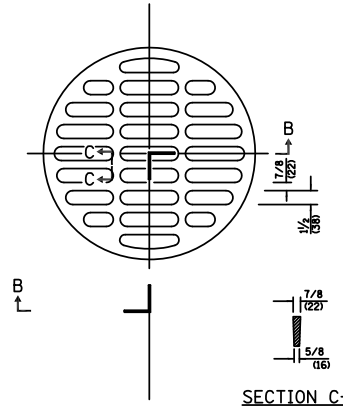
GENERAL NOTES
 Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (310 sq. mm/m) in both directions with a maximum spacing of 10 (250).
 Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.
 All dimensions are in inches (millimeters) unless otherwise shown.

INLET - TYPE A

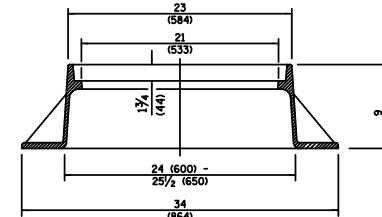
STANDARD 602301-04



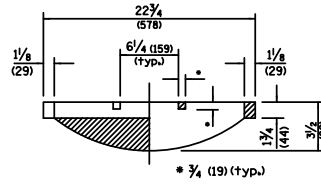
CAST FRAME



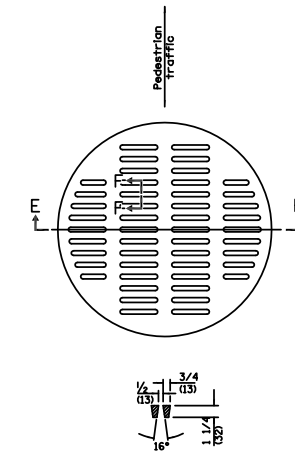
SECTION C-C



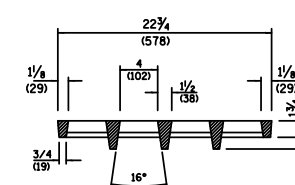
SECTION A-A
Gray Iron



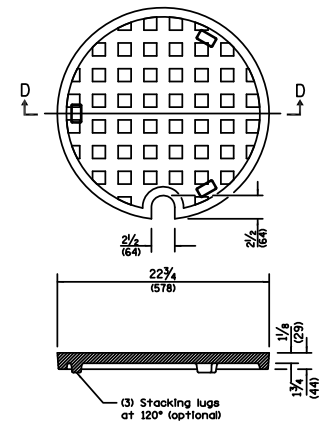
SECTION B-B
CAST OPEN LID



SECTION F-F
ADA COMPLIANT
CAST OPEN LID



SECTION E-E



SECTION D-D
CAST CLOSED LID
Gray Iron Lid

CAST CLOSED LID
Gray Iron Lid

All dimensions are in inches (millimeters) unless otherwise shown.

FRAME AND LIDS
TYPE 1

STANDARD 604001-04

GALESBURG MUNICIPAL AIRPORT
GALESBURG, ILLINOIS

STANDARD DRAWINGS

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS

DRAWN BY: R.L.R.
DATE: APRIL, 2015

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